



TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/813,963
	Filing Date	03-31-2004
	First Named Inventor	Surajit Chaudhuri
	Group Art Unit	Not Yet Assigned
	Examiner Name	Not Yet Assigned
<input type="checkbox"/> Sent via Express Mail Label No.:	Attorney Docket Number	307523.01

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Drawing(s) (sheets)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Declaration <input type="checkbox"/> Newly Executed (pages) <input type="checkbox"/> A copy from a prior application (37 CFR 1.63(d)) (pages)	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
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<input checked="" type="checkbox"/> Information Disclosure Statement with Form PTO/SB/08B (5 pages)	<input type="checkbox"/> Petition	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Response to Notice to File Missing Parts <input type="checkbox"/> A copy of the Notice to File Missing Parts Under 37 CFR 1.52 or 1.5	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Application Data Sheet
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Remarks <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required, or credit any overpayments, to Deposit Account No. 50-0463 for the above identified patent application.		

SIGNATURE OF ATTORNEY OR AGENT					
Signature <u>Paul B. Heynssens</u>		Reg. No.		47,648	
Name of Attorney or Agent		Paul B. Heynssens			
Date	<u>3/23/05</u>	Tel.	(425) 707-3913	Facsimile No.	(425) 708-5046
Assignee Name:		MICROSOFT CORPORATION ONE MICROSOFT WAY REDMOND, WA 98052			
Customer Number:		22971			

Docket No.: 307523.01

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Surajit Chaudhuri

Attorney Docket No.: 307523.01

Application No.: 10/813,963

Group Art Unit: Not Yet Assigned

Filed: March 31, 2004

Examiner: Not Yet Assigned

Customer No.: 22971

Confirmation Number: Not Yet Assigned

Title: QUERY PROGRESS ESTIMATION

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria VA 22313-1450

STATEMENT FILED PURSUANT TO
THE DUTY OF DISCLOSURE UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. § 1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case. No fee or certification is required.

PART II: Remarks

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO/SB/08B. The order of presentation of the references should not be construed as an indication of the importance of the references. Documents cited on the attached form PTO/SB/08B are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO/SB/08B be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. § 102.

Notwithstanding any statement by the Applicant, the Applicant urges the Examiner to form his own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested.

Respectfully submitted,

MICROSOFT CORPORATION

Date: 3/23/05

By: Paul B. Heynssens

Paul B. Heynssens, Reg. No. 47,648

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

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Date

Paul B. Heynssens
Signature

Paul B. Heynssens

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Title Of Invention	Query Progress Estimation
				Application Number	10/813,963
				Filing Date	03/31/2004
				First Named Inventor	Surajit Chaudhuri
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	307523.01

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	Aboulmaga, A., and Chaudhuri, S. <i>Self-Tuning Histograms: Building Histograms Without Looking at Data</i> . Proceedings of ACM SIGMOD 1999.	
	B	Antoshenkov, G. <i>Dynamic Query Optimization in Rdb/VMS</i> . Proceedings of IEEE JCDE 1993.	
	C	Dewitt, D., and Kabra, N. <i>Efficient Mid-Query Re-Optimization of Sub-Optimal Query Execution Plans</i> . Proceedings of ACM SIGMOD 1998.	
	D	Graefe, G. <i>Query Evaluation Techniques for Large Databases</i> . ACM Comput. Surv. 25(2): 73-170(1993).	
	E	Haas, P.J., and Hellerstein J.M. <i>Ripple Joins for Online Aggregation</i> . Proceedings of ACM SIGMOD, 1995.	
	F	Hans, P.J., Naughton, J.F., Seshadri, S., and Stokes L. <i>Sampling-based estimation of the number of distinct values of an attribute</i> . Proceedings of VLDB 1995.	
	G	Hellerstein, J.M., Haas, P.J., and Wang, H.J. <i>Online Aggregation</i> . Proceedings of ACM SIGMOD 1997.	
	H	Ioannidis, Y., and Christodoulakis, S. <i>On the propagation of errors in the size of join results</i> . Proceedings of ACM SIGMOD, 1991.	
	I	Ioannidis, Y., and Poosala. V. <i>Balancing Histogram Optimality and Practicality for Query Result Size Estimation</i> . Proceedings of ACM SIGMOD 1995.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Information Disclosure Statement—PTO/SB/08a&b
Matter No.: 307523.01

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	J	Myers, B.A. <i>The Importance of Percent-Done Progress Indicators for Computer-Human Interfaces</i> . Proceedings of ACM SIGCHI 1985.	
	K	Stillger, M., Lohman, O., Markl, V., and Kandil, M. <i>LEO: DB2's Learning Optimizer</i> . Proceedings of VLDB 2001, (CHI '00) (The Hague, The Netherlands, April 1-6, 2000). ACM Press, New York, NY, 2000, 526-531.	

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Information Disclosure Statement—PTO/SB/08a&b
Matter No.: 308293.02